

STEREO ATTRIBUTES: NONE

L16 312 SEA FILE=REGISTRY CSS FUL L14 AND L12

100.0% PROCESSED 150319 ITERATIONS

312 ANSWERS

SEARCH TIME: 00.00.20

=&gt; d his

(FILE 'HOME' ENTERED AT 14:49:34 ON 30 SEP 2004)  
SET COST OFF

FILE 'HCAPLUS' ENTERED AT 14:50:31 ON 30 SEP 2004

E GHOSH S/AU  
L1 1587 S E3,E12  
E GHOSH SWAPAN/AU  
L2 176 S E3-E7  
L3 1763 S L1,L2  
L4 2630 S PHYTOL OR ISOPHYTOL OR ISO PHYTOL OR PHYTANOL

FILE 'REGISTRY' ENTERED AT 14:52:59 ON 30 SEP 2004

L5 1 S 150-86-7  
L6 1 S 505-32-8  
L7 1 S 189302-44-1  
L8 STR  
L9 2 S L8  
L10 STR L8  
L11 0 S L10 CSS SAM  
L12 SCR 1053 AND 966 AND 1010  
L13 3 S L10 AND L12 CSS SAM  
L14 STR L10  
L15 3 S L14 AND L12 CSS SAM  
L16 312 S L14 AND L12 CSS FUL  
SAV TEMP L16 TONGUE761/A  
L17 313 S L5-L7,L16  
L18 31 S C20H400/MF AND HEXADECEN  
L19 24 S L18 AND 3 7 11 15 TETRAMETHYL  
L20 5 S L19 AND 3 OL  
L21 4 S L20 NOT D/ELS  
L22 316 S L17,L21  
L23 11 S L22 AND CL/ELS  
L24 3 S L22 AND I/ELS  
L25 296 S L22 NOT (11C# OR 13C# OR 14C# OR C11# OR C13# OR C14# OR (D O  
L26 13 S L23,L24 AND L25  
L27 286 S L25 NOT IDS/CI  
L28 286 S L26,L27  
L29 64 S L28 AND N/ELS  
L30 45 S L29 AND 1/NC  
L31 38 S L30 AND NR>=1  
L32 7 S L30 NOT L31  
L33 3 S L32 NOT 15N  
L34 16 S L26,L33  
L35 270 S L28 NOT L34  
L36 86 S L35 AND NR>=1  
L37 184 S L35 NOT L36  
L38 154 S L37 AND 1/NC  
L39 30 S L37 NOT L38  
L40 16 S L39 NOT (PMS/CI OR SQL/FA)  
L41 24 S L17 AND C20H400  
L42 16 S L17 AND C20H420  
L43 29 S L41,L42 NOT (11C# OR 13C# OR 14C# OR C11# OR C13# OR C14# OR

L44 25 S L43 NOT C6/ES  
 L45 24 S L44 NOT C18H30  
 L46 56 S L5-L7, L21, L34, L40, L45  
 L47 260 S L22 NOT L46  
 L48 215 S L47 NOT (11C# OR 13C# OR 14C# OR C11# OR C13# OR C14# OR (D O  
 L49 204 S L48 NOT ((IDS OR PMS)/CI OR SQL/FA)  
 L50 82 S L49 AND NR>=1  
 L51 122 S L49 NOT L50  
 L52 178 S L46, L51  
 L53 1 S VITAMIN E/CN  
 E .ALPHA-TOCOPHEROL/CN  
 E A-TOCOPHEROL/CN  
 L54 1 S E3  
 E CHLOROPHYLL/CN  
 L55 1 S E3  
 L56 1 S E5  
 L57 1815 S VITAMIN "E" OR TOCOPHEROL OR CHLOROPHYLL

FILE 'HCAPLUS' ENTERED AT 15:24:45 ON 30 SEP 2004

L58 2271 S L52  
 L59 65936 S L53-L57  
 L60 68293 S L4, L58, L59  
 L61 109979 S VITAMIN "E" OR TOCOPHEROL OR CHLOROPHYLL  
 L62 7 S L3 AND L60, L61  
 L63 0 S L62 AND ANTIGEN  
 L64 422 S L60 AND ANTIGEN?  
 L65 499 S L61 AND ANTIGEN?  
 L66 292 S L60, L61 AND ANTIGEN?/CW  
 E ANTIGENS/CT  
 L67 332 S L60, L61 AND E3+OLD, NT  
 L68 956 S L60, L61 AND ?POLYSACCHARID?  
 L69 516 S L60, L61 AND POLYSACCHARID?/CW  
 E POLYSACCHARIDES/CT  
 L70 4311 S L60, L61 AND E3+OLD, NT  
 E LIPOPOLYSACCHARIDE/CT  
 L71 82 S L60, L61 AND E15+OLD, NT  
 L72 26 S L60, L61 AND HAPTEN  
 E POLYSACCHARIDES/CT  
 L73 5 S L60, L61 AND E13  
 E LIPOPOLYSACCHARIDES/CT  
 L75 14480 S L60, L61 AND (PROTEIN# OR PEPTIDE# OR POLYPEPTIDE# OR LIPOPROT  
 L76 14505 S L60, L61 AND (PROTEIN# OR PEPTIDE# OR POLYPEPTIDE# OR LIPOPROT  
 L77 1 S L62 AND L64-L76  
 L78 85 S L64-L76 AND VACCINE#/CW  
 L79 100 S L64-L76 AND ?ADJUVANT?  
 E ADJUVANT/CT  
 L80 0 S L64-L76 AND E6, E8, E10  
 E E6+ALL  
 L81 49 S L64-L76 AND E2  
 E VACCINE/CT  
 L82 375 S L64-L76 AND E4+OLD, NT, PFT, RT  
 L83 5 S L64-L76 AND E2+OLD, NT, PFT, RT  
 E E4+ALL  
 L84 455 S L64-L76 AND E11+OLD, NT, PFT, RT  
 L85 429 S L78, L79, L81, L82, L83  
 L86 186 S L84 AND L85  
 L87 64 S L84 AND ?EMULS?  
 L88 32 S L84 AND (O OR OIL) (L) (H2O OR W OR WATER)  
 L89 24 S L87 AND L88  
 L90 14 S L89 AND ANTIGEN#/CW (L) THU/RL  
 L91 2142 S L46  
 L92 78 S L91 AND L64-L76  
 L93 3 S L92 AND L85

L94 78 S L92,L93  
L95 1 S L94 AND ANTIGEN#/CW (L) THU/RL  
L96 1 S L93 AND IMMUNOMODUL?  
L97 10 S L89 NOT L90

FILE 'REGISTRY' ENTERED AT 15:53:57 ON 30 SEP 2004

FILE 'HCAPLUS' ENTERED AT 15:54:34 ON 30 SEP 2004

L98 15 S L95,L96,L90  
L99 8 S L97 AND (VACCINE OR ?ADJUVANT?)  
L100 23 S L98,L99

FILE 'HCAPLUS' ENTERED AT 15:57:06 ON 30 SEP 2004  
SEL HIT RN

FILE 'REGISTRY' ENTERED AT 15:57:26 ON 30 SEP 2004

L101 13 S E1-E13

FILE 'HCAPLUS' ENTERED AT 15:57:56 ON 30 SEP 2004

L102 1952 S L5-L7  
L103 1 S L102 AND ANTIGEN#/CW (L) THU/RL  
L104 5 S L102 AND (VACCINE OR ?ADJUVANT?)  
L105 3 S L104 NOT PESTICIDE  
L106 26 S L100,L105  
L107 1 S L102 AND ANTIGEN  
L108 26 S L106,L107

FILE 'REGISTRY' ENTERED AT 16:00:31 ON 30 SEP 2004

=> d ide can l5

L5 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 150-86-7 REGISTRY  
CN 2-Hexadecen-1-ol, 3,7,11,15-tetramethyl-, (2E,7R,11R)- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 2-Hexadecen-1-ol, 3,7,11,15-tetramethyl-, [R-[R\*,R\*-(E)]]-

CN Phytol (6CI, 8CI)

OTHER NAMES:

CN (7R,11R,2E)-Phytol

CN (E)-Phytol

CN 3,7,11,15-Tetramethylhexadec-2-en-1-ol

CN trans-Phytol

FS STEREOSEARCH

DR 5016-81-9

MF C20 H40 O

CI COM

LC STN Files: AGRICOLA, ANABSTR, BEILSTEIN\*, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CABA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSCHM, DDFU, DETHERM\*, DRUGU, EMBASE, HODOC\*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK\*, NAPRALERT, PROMT, PS, RTECS\*, SPECINFO, TOXCENTER, TULSA, USPAT2, USPATFULL, VTB  
(\*File contains numerically searchable property data)

Other Sources: DSL\*\*, EINECS\*\*, TSCA\*\*

(\*\*Enter CHEMLIST File for up-to-date regulatory information)

DT.CA Cplus document type: Conference; Dissertation; Journal; Patent; Report

RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study); MSC (Miscellaneous); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses); NORL (No role in record)

RLD.P Roles for non-specific derivatives from patents: BIOL (Biological study); PREP (Preparation); PROC (Process); RACT (Reactant or reagent); USES (Uses)

RL: BIOL (Biological study)  
 (of rice cultivars, in necrosis mosaic virus infection)  
 IT Virus, plant  
 (rice necrosis mosaic, **chlorophylls** of rice infected with)

L62 ANSWER 7 OF 7 HCAPLUS COPYRIGHT 2004 ACS on STN  
 AN 1980:37909 HCAPLUS  
 DN 92:37909  
 ED Entered STN: 12 May 1984  
 TI Effect of some rod-shaped cucurbit viruses on total **chlorophyll**  
 content of the leaves of Cucurbita moschata Poir plants at different  
 stages of pathogenesis  
 AU Ghosh, S. K.  
 CS Dep. Plant Pathol., Bidhan Chandra Krish Viswavidyalaya, Kalyani, India  
 SO Indian Journal of Microbiology (1978), 18(4), 227-30  
 CODEN: IJMBAC; ISSN: 0046-8991  
 DT Journal  
 LA English  
 CC 11-5 (Plant Biochemistry)  
 AB Inoculation of C. moschata with 9 isolates of different rod-shaped  
 cucurbit viruses, e.g. bottlegourd mosaic, cucurbit latent, cucurbit  
 mosaic, vein yellowing, watermelon mosaic, pumpkin enation mosaic, and  
 pumpkin mild mosaic, resulted in different patterns of alteration in the  
 total leaf **chlorophyll** contents with respect to the virus  
 isolate and the stage of pathogenesis. Critical anal. revealed 5 types of  
**chlorophyll** alterations.  
 ST **chlorophyll** Cucurbita virus; pumpkin **chlorophyll** virus  
 IT Virus, plant  
 (chlorophyll content of Cucurbita moschata in response to)  
 IT **Chlorophylls**, biological studies  
 RL: BIOL (Biological study)  
 (of Cucurbita moschata, virus infection effect on)  
 IT Pumpkin  
 (C. moschata, **chlorophyll** content of, virus infection effect  
 on)

=> => d his

(FILE 'HOME' ENTERED AT 14:49:34 ON 30 SEP 2004)  
 SET COST OFF

FILE 'HCAPLUS' ENTERED AT 14:50:31 ON 30 SEP 2004

E GHOSH S/AU  
 L1 1587 S E3,E12  
 E GHOSH SWAPAN/AU  
 L2 176 S E3-E7  
 L3 1763 S L1,L2  
 L4 2630 S PHYTOL OR ISOPHYTOL OR ISO PHYTOL OR PHYTANOL

FILE 'REGISTRY' ENTERED AT 14:52:59 ON 30 SEP 2004

L5 1 S 150-86-7  
 L6 1 S 505-32-8  
 L7 1 S 189302-44-1  
 L8 STR  
 L9 2 S L8  
 L10 STR L8  
 L11 0 S L10 CSS SAM  
 L12 SCR 1053 AND 966 AND 1010  
 L13 3 S L10 AND L12 CSS SAM  
 L14 STR L10  
 L15 3 S L14 AND L12 CSS SAM  
 L16 312 S L14 AND L12 CSS FUL

```

          SAV TEMP L16 TONGUE761/A
L17      313 S L5-L7,L16
L18      31 S C20H400/MF AND HEXADECEN
L19      24 S L18 AND 3 7 11 15 TETRAMETHYL
L20      5 S L19 AND 3 OL
L21      4 S L20 NOT D/ELS
L22      316 S L17,L21
L23      11 S L22 AND CL/ELS
L24      3 S L22 AND I/ELS
L25      296 S L22 NOT (11C# OR 13C# OR 14C# OR C11# OR C13# OR C14# OR (D O
L26      13 S L23,L24 AND L25
L27      286 S L25 NOT IDS/CI
L28      286 S L26,L27
L29      64 S L28 AND N/ELS
L30      45 S L29 AND 1/NC
L31      38 S L30 AND NR>=1
L32      7 S L30 NOT L31
L33      3 S L32 NOT 15N
L34      16 S L26,L33
L35      270 S L28 NOT L34
L36      86 S L35 AND NR>=1
L37      184 S L35 NOT L36
L38      154 S L37 AND 1/NC
L39      30 S L37 NOT L38
L40      16 S L39 NOT (PMS/CI OR SQL/FA)
L41      24 S L17 AND C20H400
L42      16 S L17 AND C20H420
L43      29 S L41,L42 NOT (11C# OR 13C# OR 14C# OR C11# OR C13# OR C14# OR
L44      25 S L43 NOT C6/ES
L45      24 S L44 NOT C18H30
L46      56 S L5-L7,L21,L34,L40,L45
L47      260 S L22 NOT L46
L48      215 S L47 NOT (11C# OR 13C# OR 14C# OR C11# OR C13# OR C14# OR (D O
L49      204 S L48 NOT ((IDS OR PMS)/CI OR SQL/FA)
L50      82 S L49 AND NR>=1
L51      122 S L49 NOT L50
L52      178 S L46,L51
L53      1 S VITAMIN E/CN
          E .ALPHA-TOCOPHEROL/CN
          E A-TOCOPHEROL/CN
L54      1 S E3
          E CHLOROPHYLL/CN
L55      1 S E3
L56      1 S E5
L57      1815 S VITAMIN "E" OR TOCOPHEROL OR CHLOROPHYLL

```

FILE 'HCAPLUS' ENTERED AT 15:24:45 ON 30 SEP 2004

```

L58      2271 S L52
L59      65936 S L53-L57
L60      68293 S L4,L58,L59
L61      109979 S VITAMIN "E" OR TOCOPHEROL OR CHLOROPHYLL
L62      7 S L3 AND L60,L61
L63      0 S L62 AND ANTIGEN
L64      422 S L60 AND ANTIGEN?
L65      499 S L61 AND ANTIGEN?
L66      292 S L60,L61 AND ANTIGEN?/CW
          E ANTIGENS/CT
L67      332 S L60,L61 AND E3+OLD,NT
L68      956 S L60,L61 AND ?POLYSACCHARID?
L69      516 S L60,L61 AND POLYSACCHARID?/CW
          E POLYSACCHARIDES/CT
L70      4311 S L60,L61 AND E3+OLD,NT
          E LIPOPOLYSACCHARIDE/CT

```

L71 82 S L60,L61 AND E15+OLD,NT  
 L72 26 S L60,L61 AND HAPTEN  
 E POLYSACCHARIDES/CT  
 L73 5 S L60,L61 AND E13  
 E LIPOPOLYSACCHARIDES/CT  
 L75 14480 S L60,L61 AND (PROTEIN# OR PEPTIDE# OR POLYPEPTIDE# OR LIPOPROT  
 L76 14505 S L60,L61 AND (PROTEIN# OR PEPTIDE# OR POLYPEPTIDE# OR LIPOPROT  
 L77 1 S L62 AND L64-L76  
 L78 85 S L64-L76 AND VACCINE#/CW  
 L79 100 S L64-L76 AND ?ADJUVANT?  
 E ADJUVANT/CT  
 L80 0 S L64-L76 AND E6,E8,E10  
 E E6+ALL  
 L81 49 S L64-L76 AND E2  
 E VACCINE/CT  
 L82 375 S L64-L76 AND E4+OLD,NT,PFT,RT  
 L83 5 S L64-L76 AND E2+OLD,NT,PFT,RT  
 E E4+ALL  
 L84 455 S L64-L76 AND E11+OLD,NT,PFT,RT  
 L85 429 S L78,L79,L81,L82,L83  
 L86 186 S L84 AND L85  
 L87 64 S L84 AND ?EMULS?  
 L88 32 S L84 AND (O OR OIL) (L) (H2O OR W OR WATER)  
 L89 24 S L87 AND L88  
 L90 14 S L89 AND ANTIGEN#/CW (L) THU/RL  
 L91 2142 S L46  
 L92 78 S L91 AND L64-L76  
 L93 3 S L92 AND L85  
 L94 78 S L92,L93  
 L95 1 S L94 AND ANTIGEN#/CW (L) THU/RL  
 L96 1 S L93 AND IMMUNOMODUL?  
 L97 10 S L89 NOT L90

FILE 'REGISTRY' ENTERED AT 15:53:57 ON 30 SEP 2004

FILE 'HCAPLUS' ENTERED AT 15:54:34 ON 30 SEP 2004

L98 15 S L95,L96,L90  
 L99 8 S L97 AND (VACCINE OR ?ADJUVANT?)  
 L100 23 S L98,L99

FILE 'HCAPLUS' ENTERED AT 15:57:06 ON 30 SEP 2004  
SEL HIT RN

FILE 'REGISTRY' ENTERED AT 15:57:26 ON 30 SEP 2004

L101 13 S E1-E13

FILE 'HCAPLUS' ENTERED AT 15:57:56 ON 30 SEP 2004

L102 1952 S L5-L7  
 L103 1 S L102 AND ANTIGEN#/CW (L) THU/RL  
 L104 5 S L102 AND (VACCINE OR ?ADJUVANT?)  
 L105 3 S L104 NOT PESTICIDE  
 L106 26 S L100,L105  
 L107 1 S L102 AND ANTIGEN  
 L108 26 S L106,L107

FILE 'REGISTRY' ENTERED AT 16:00:31 ON 30 SEP 2004

FILE 'HCAPLUS' ENTERED AT 16:01:00 ON 30 SEP 2004

FILE 'BIOSIS' ENTERED AT 16:01:49 ON 30 SEP 2004

E GHOSH S/AU  
 L109 1389 S E3,E8  
 E GHOSH SWAPAN/AU

L110 16 S E3,E4  
 L111 1405 S L109,L110  
 L112 601 S L4 OR L5 OR L6 OR L7  
 L113 325 S L52  
 L114 38269 S L53-L57  
 L115 79373 S L61  
 L116 9 S L111 AND L112-L115

FILE 'WPIX' ENTERED AT 16:03:42 ON 30 SEP 2004

L117 313 S L4/BIX  
       E PHYTOL/DCN  
       E E3+ALL  
 L118 62 S E2  
       E ISOPHYTOL/DCN  
       E E3+ALL  
 L119 28 S E2  
       E PHYTANOL/DCN  
       E PHYTOL/CN  
 L120 1 S E3  
       E ISOPHYTOL/CN  
 L121 1 S E3  
       E PHYTANOL/CN  
 L122 326 S L117-L119  
 L123 0 S L119 AND ANTIGEN?/BIX  
 L124 0 S L119 AND A61K039/IPC  
 L125 0 S L119 AND (V280 OR V791)/M0,M1,M2,M3,M4,M5,M6  
 L126 0 S L119 AND (B04-B04C# OR C04-B04C# OR B02-V02 OR C02-V02)/MC  
 L127 0 S L119 AND (B14-S11? OR C14-S11?)/MC  
 L128 0 S L119 AND R302/M0,M1,M2,M3,M4,M5,M6  
 L129 0 S L119 AND ?ADJUVANT?/BIX  
 L130 0 S L122 AND VACCIN?/BIX  
 L131 72 S L122 AND A61K/IPC  
 L132 8 S L131 AND ?EMULS?/BIX  
 L133 1 S L131 AND (A61K009-107 OR A61K009-113)/IPC  
 L134 0 S L131 AND (B12-M03 OR C12-M03)/MC  
 L135 4 S L131 AND R022/M0,M1,M2,M3,M4,M5,M6  
 L136 11 S L132-L135  
 L137 0 S L131 AND A61K039/IPC  
 L138 5 S L131 AND A61K045/IPC  
 L139 57 S L131 NOT L132-L138

=>